

AMENDED CLAIM SET:

1. (currently amended) An inflator processing apparatus comprising a processing furnace for processing inflators ~~the inflator~~, said apparatus being configured to process a batch of gas generating chemical-containing automobile air bag inflators, each said inflator comprising a metal case, ~~for an automobile air bag~~ by heating the inflators ~~inflator~~ to a temperature not lower than an explosion temperature of the chemical and subsequently recovering the metal cases of the inflators ~~case of the inflator~~, wherein a metal partition wall composed of heat-resistant steel is provided, between the inflators ~~inflator~~ and an inner surface of a ceramic wall of the processing furnace for processing the inflators ~~inflator~~, so as to cover the inner surface of the wall of the processing furnace and to prevent the inflators ~~inflator~~, when actuated by heating, from striking and damaging the inner surface of the ceramic wall of the processing furnace, said inflator processing apparatus further comprising a module for charging the apparatus with a batch of inflators, in which module a timing of charge of the batch of inflators ~~inflator~~ is judged by comparing a total number of charged inflators located in the apparatus with an observed number of peak points of furnace pressure due to explosion of the chemical in the charged inflators located in the apparatus.

2. (previously presented) The inflator processing apparatus

as claimed in Claim 1, wherein an incinerator provided with a burner and an air supplier for dilution or/and an exhaust gas circulator is/are contiguous to and functionally connected with the processing furnace.

3. (cancelled).

4. (currently amended) A method for determining the timing of charge of a batch of inflators into an inflator processing apparatus comprising a processing furnace, said apparatus being configured to process [[a]] gas generating chemical-containing automobile air bag inflators inflator for an automobile air bag by heating the inflators inflator to a temperature not lower than an explosion temperature of the chemical and subsequently recovering the metal cases of the inflators ease of the inflator, wherein a metal partition wall composed of heat-resistant steel is provided, between the inflators inflator and the inner surface of a ceramic wall of the processing furnace for processing the inflators inflator, so as to cover the inner surface of the wall of the processing furnace and to prevent the an inflator actuated by heating from striking and damaging the inner surface of the ceramic wall of the processing furnace, which method comprises the step of comparing a total number of charged inflators located in the apparatus with an observed number of peak points of furnace pressure due to explosion of the chemical in the charged inflators located in the apparatus.